

Claims

- 5     1.     Covering composition for isolating tooth material to be treated and producing a shield of the surrounding gums and/or adjacent teeth from dental treatment means which at an ambient temperature in the mouth interior cross-links in a self-curing manner and an elastomeric material results.
- 10    2.     Covering composition according to claim 1, which is produced by mixing a multiple-component system.
3.     Covering composition according to claim 1, which is produced by mixing a two-component system.
- 15    4.     Covering composition according to claim 1, which is selected from the group of A-silicones.
5.     Covering composition according to any of claims 1 to 4, which immediately  
20       after mixing has a rheological flow-on behaviour when applied in the mouth and within one second after application has such a stability that the applied composition does not run down or spread.
6.     Covering composition according to any of claims 1 to 5, of which the cross-  
25       linking begins within 20 seconds after mixing the components and is so far advanced within 40 seconds after mixing the components that the composition is solidified as rubber-elastic.
7.     Covering composition according to any of claims 1 to 6, of which the cross-  
30       linking begins within 10 seconds after mixing the components and which is

so far advanced within 20 seconds after mixing the components that the composition is solidified as rubber-elastic.

- 5        8.        Covering composition according to any of claims to 1 to 7, of which the cross-linking begins within 5 seconds after mixing the components and is so far advanced within 10 seconds after mixing the components that the composition is solidified as rubber-elastic.
- 10      9.        Covering composition according to any of claims 1 to 8 which in the cross-linked state can be easily removed in one piece from the mouth without leaving any trace.
- 15      10.       Method for isolating tooth material to be treated and a shield for the surrounding gums and/or adjacent teeth from dental treatment means by using a covering composition according to any of claims 1 to 9.
- 20      11.       Method according to claim 10 in which the area of application is dried before the application of the covering composition.
- 25      12.       Method according to claim 10 or 11 in which the components are mixed with one another before and/or during the application of the covering composition.
- 30      13.       Method according to any of claims 10 to 12 in which the covering composition is applied in the flowable state and after the application cross-links in a self-curing manner and produces an elastomeric material.
- 30      14.       Device for isolating tooth material to be treated and producing a shield for the surrounding gums and/or adjacent teeth from dental treatment means, in particular by carrying out the method according to any of claims 10 to 13,

with a double chamber cartridge with two chambers, a static mixing device  
connected to the chambers, an application opening supplied by the static  
mixing device, plungers for simultaneously pressing out the contents of the  
two chambers through the static mixing device and the application opening  
5 and a composition according to any of claims 1 to 9, of which the two  
components are arranged in the two different chambers.

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